

CLAIMS

- 1
2
3 1. A method for transmitting a web page including
4 receiving a request for a web page;
5 ascertaining if a set of compressed information related to said web page is
6 present in a cache at a first server; wherein said set of compressed information comp-
7 prises a set of static elements included in said web page;
8 serving said set of compressed information from said cache to a user in re-
9 sponse to said request;
10 serving a set of dynamic information from a said first server or a second
11 server to said user; and
12 decompressing said compressed information at a client device.
13
14 2. A method as in claim 1, wherein said request is received by a proxy
15 encoder server or a mirroring server.
16
17 3. A method as in claim 1, wherein said set of compressed information
18 includes a compressed version of said web page.
19
20 4. A method as in claim 1, wherein said set of compressed information
21 includes a Huffman tree corresponding to a web page.
22

1 5. A method as in claim 1, wherein said first server is a mirroring
2 server.

3
4 6. A method as in claim 1, including steps of
5 ascertaining if said set of compressed information is cached at another lo-
6 cation;
7 obtaining said set of compressed information; and
8 caching said set of compressed information at said first server.

9
10 7. A method for transmitting a web page, including
11 identifying a set of static information included in a web page;
12 compressing said set of static information;
13 caching said set of static information in a cache at a first server;
14 transmitting said set of static information from said cache at said first server
15 to another location in response to a user request; and
16 decompressing said set of static information.

17
18 8. A method as in claim 7, wherein said first server includes an origi-
19 nating server, mirroring server or proxy encoder server.

20
21 9. A method as in claim 7, wherein said location includes a client de-
22 vice.

10. A method as in claim 7, wherein said location includes a mirroring
server.

11. A method as in claim 7, including steps of
caching said set of information at said location; and
serving said set of information from said second location to a client device.

12. A method for transmitting a web page, including
identifying a set of static information and a set of dynamic information in-
cluded in a web page;
determining if said a compressed version of said set of static information is
present in a cache;
determining if a compressed version of said set of dynamic elements is pre-
sent in a cache;
transmitting said set of static information from said cache to a second loca-
tion;
transmitting said set of dynamic elements to a client device; and
decompressing said set of static information and said set of dynamic infor-
mation and integrating them at a client device.

13. A method as in claim 12, including steps of
compressing said set of static information; and

1 caching said set of static information.

2
3 14. A method as in claim 12, including steps of
4 compressing said set of dynamic information; and
5 caching said set of dynamic information.

6
7 15. A method as in claim 12, wherein said step of decompressing is per-
8 formed by software that is proximate to said client device.

9
10 16. A method as in claim 12, wherein said step of decompressing is per-
11 formed automatically by a browser associated with said location.

12
13 17. An apparatus for transmitting a web page including
14 a first server device, including a first cache of compressed static informa-
15 tion;

16 a second server device, including a second cache of compressed static in-
17 formation and a software program for distinguishing one or more elements in a web page
18 and compressing said elements; and

19 a client device, including software for decompressing static information and
20 dynamic information and integrating them.

1 18. An apparatus, as in claim 17, wherein said first server device is a
2 mirroring server.

3
4 19. An apparatus as in claim 17, wherein said second server is an origi-
5 nating server.

6
7 20. An apparatus as in claim 17, wherein said second server is a proxy
8 encoder server.

9
10 21. An apparatus as in claim 17, wherein one or more elements in a web
11 page include at least static elements and dynamic elements.

12
13 22. An apparatus as in claim 17, wherein said software includes a com-
14 parison element for comparing information at said first server or said second server with
15 information at said client, calculating the difference and compressing it.